

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/009479 A1(51) International Patent Classification⁷: B65G 47/51

(74) Agents: MANNUCCI, Michele et al.; Uff. Tecn. Ing. A. Mannucci S.r.l., Via della Scala, 4, I-50123 Firenze (IT).

(21) International Application Number:

PCT/IT2003/000423

(81) Designated States (national): AE, AG, AL, AM, AT, AU,

(22) International Filing Date: 4 July 2003 (04.07.2003)

AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language:

English

(26) Publication Language:

English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:

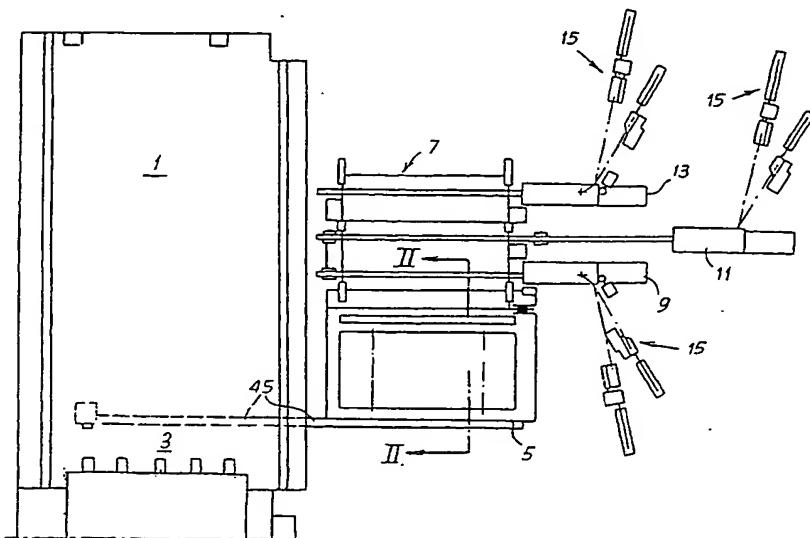
FI2002A000130 18 July 2002 (18.07.2002) IT
FI2003A000066 13 March 2003 (13.03.2003) IT

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STORAGE UNIT FOR ELONGATED PRODUCTS



(57) Abstract: The storage unit comprises at least two flexible members (55), equipped with supports (57) for the products to be stored, extending and moving along respective parallel paths defined by a plurality of driving wheels (59, 63). The supports (57) project laterally in respect of the relative flexible member. In each of the paths, in proximity to at least one driving wheel, a transfer member (71) is positioned to receive the products from the supports located on a branch (55A) of the respective flexible member upstream of said driving wheel and transfer them to the supports located on a branch (55B) of said flexible member downstream of said driving wheel in respect of the direction of feed of the flexible members along the respective paths, so that the products follow a trajectory that by-passes said driving wheel.

WO 2004/009479 A1